

EPA Official Record

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Copy To: Robert Puls/ADA/USEPA/US@EPA; Michael Overbay/R6/USEPA/US@EPA

Delivered Date: 10/19/2011 10:41 AM EDT

Subject: RE: EPA HF Study - EPA Stakeholder Meeting Minutes

EPA HF Study Meeting Minutes

(10/17/2011)

10/17/2011 Minutes:

Attendees

CHK: Chris Hill, Cassi Vann, Fonda Manwell

CHK: Susan Mravik, Michael Overbay

E&E: Gene Florentino, George Lukert

QAPP:

CHK has been provided with the most recent revision of Draft QAPP for review/comments. The document's latest version focused on the baseline portion of the study and is not inclusive of all tasks to be completed in the prospective study.

ACTION: CHK to provide all comments to EPA (IN PROGRESS)

CHK has noted that the Final Study Plan and comprehensive QAPP is necessary before CHK can offer assistance in field activity associated with the study and allow access to the site.

According to Mike O., Final Study Plan is on track for release by the end of October.

Schedule

Based on discussions with EPA, it has been determined that pad construction is out of scope.

Bob gave approval Oct 14 for CHK to move forward with pad construction.

CHK will proceed with pad construction ASAP.

Operations has already been provided with notice to proceed.

Construction of pad now will significantly help scheduling of other activities.

Schedule has been revised to reflect these changes and has been provided to the group.

Installation of piezometers is expected in early December. Schedule needs to be

updated to include this.

ACTION: Update schedule to include piezometer installation (Chris, 10/21/2011)

Domestic Well Sampling

First sampling of domestic wells was originally scheduled for late November. Due to early pad construction, this has been pushed back to December. As previously mentioned, CHK will need to see Final Study Plan before offering official/public support of the study. This also includes solicitation of landowners agreements.

Pending Final Study Plan, agreements with landowners will be pursued jointly by EPA/CHK.

CHK has begun draft of joint cover letter, which will be provided for EPA review.

Mailing list of all property owners has also been developed and will be provided with joint cover letter.

Monitoring Wells and Scope of Work

Scope of Work

CHK has been provided with most recent revision of the Draft SOW for monitoring well construction for review/comments.

ACTION: CHK to provide all comments to E&E by October 21, 2011 (IN PROGRESS)
EPA has noted that the Louisiana Department of Natural Resources (LDNR) may require special licensing for drilling and construction of monitoring wells. This should be included in the SOW if not already

Currently, monitoring well construction is scheduled for early December. Therefore, contractors will need to be solicited in early November, and a bid meeting will need to be held by mid-November. Bid meeting will be conducted on site. Therefore, will need to obtain access agreement for monitoring well to be located on lateral so this can also be visited during bid meeting.

An agreement has been obtain for the monitoring wells around the pad.

ACTION: Obtain access agreement for lateral location (Chris, 11/1/2011).

Construction

E&E has expressed concerns that early construction of the pad may affect the first installation/decommission of the temporary monitoring well on the pad site. This should not be an issue.

It should be noted that the temporary M.W. on the pad has not been officially approved by CHK.

Need to obtain official approval of temporary M.W. from management, and if approved, the exact distance the well can be located from the proposed gas well.

ACTION: Discuss the above with management (Chris, 11/1/2011)

As previously mentioned, LDNR may require special licensing for M.W. construction. It should also be noted that a LDNR will require a professional surveyor to document and record site information (Section, Township, and Range,

elevation, etc.)

Piezometers

Installation of piezometers will be conducted by EPA in-house. Will need to verify if installation of piezometers also requires licensing.

ACTION: Verify LDNR requirements for piezometer installation (Mike O., 10/21/2011)

EPA drillers are not licensed in the State of Louisiana, therefore need to check to see if a licensed driller will be required to oversee the installation of piezometers.

ACTION: Contact Gary Hanson of to check into requirements and request assistance from licensed driller at the university (Chris, 10/21/2011)

-----Original Appointment-----

From: Chris Hill

Sent: Saturday, September 10, 2011 7:16 PM

To: Bob Puls (puls.robert@epa.gov); overbay.michael@epa.gov; Christopher L. Quina (cquina@ene.com); John Satterfield; 'EPA.HF.Study.Cal@sp.mychk.com'; 'Lukert, George'; Gene Florentino (gflorentino@ene.com); Mike Brownell; Mravik.Susan@epamail.epa.gov; Cassi Vann; Fonda Manwell; Debby McElreath; Nancy Coleman; Bert Smith

Cc: Puls.Robert@epamail.epa.gov; Overbay.Michael@epamail.epa.gov

Subject: EPA HF Study - EPA Stakeholder Meeting

When: Monday, October 17, 2011 1:00 PM-2:00 PM (UTC-06:00) Central Time (US & Canada).

Where: Conference Call (877-935-0245 + 745420)

**UPDATE: This meeting has been rescheduled to accommodate EPA attendees' schedules.

**UPDATE: This meeting has been changed from a bi-weekly to a weekly meeting.

This reoccurring bi-weekly meeting has been established to facilitate open communication between the EPA and CHK throughout the EPA Hydraulic Fracturing Study. The call in information is provided below. Please feel free to contact me if you have any questions.

Call in number: (877) 935-0245

Call in code: 745420

Thank you,

Chris Hill

Environmental Engineer

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